Claims

What is claimed is ;

1. A method for preparing disodium paraperiodate, characterized in that a pH of a reaction mixture which is obtained by reacting sodium iodate, iodic acid or a mixture thereof with sodium hypochlorite using sodium hydroxide is adjusted to the range between 5 and 10.

2. The method according to claim 1, which is characterized in that sodium iodate, iodic acid or a mixture thereof is reacted with sodium hypochlorite in the presence of sodium hydroxide to obtain a reaction mixture, and then the pH of the reaction mixture is adjusted to the range between 5 and less than 7.

3. The method according to claim 1, wherein the pH of the reaction mixture is adjusted to the range between 5 and less than 7.

4. The method according to claim 1, wherein the amount used of sodium hypochlorite is 1mol to 3mols per 1mol of iodide ion in the sodium iodate, iodic acid or a mixture thereof, and the amount used of sodium hydroxide is 0.5mol or more per 1mol of sodium iodate and 1.5mol or more per 1mol of iodic acid.

5. The method according to claim 4, wherein the amount used of sodium hydroxide is 0.8mol or more per 1mol of sodium iodate, and 1.8mols or more per 1mol of iodic acid.

6. The method according to claim 4 or 5, wherein the amount used of sodium hydroxide is 3mol or less per 1mol of sodium iodate, iodic acid or the sum of them.

7. The method according to claim 6, wherein the amount of sodium hydroxide is 1 mol or more per 1 mol of sodium iodate, and 2 mols or more per 1 mol of iodic acid.

8. The method for preparing according to claim 1, wherein the sodium iodate, iodic acid or a mixture thereof is the sodium iodate, iodic acid or a mixture thereof obtained by reacting sodium metaperiodate, periodic acid or a mixture thereof as oxidant with organic compounds.

9. The method according to claim 1 or 2, wherein conprising an adding step of producing for sodium metaperiodate, which a pH of a reaction mixture obtained by contacting the disodium periodate with an acid is adjusting to the range between 2 and 2.5.